



## MicroGuard MP®

State-of-the-art lamination technology delivers a microporous garment with a superior particle and liquid splash barrier.

Seamless shoulder areas provide significantly more room to freely move the arms and shoulders without ripping or tearing. Elastic backing stretches for more comfort and tear-resistance while a gusseted, reinforced crotch provides more room to move, squat, or crouch in all directions without ripping or tearing.

### Available Garments

- |  |   |   |  |
|--|---|---|--|
|  <p><b>Coverall with Attached Hood &amp; Boots</b><br/>#8019<br/>25 per case</p> |  <p><b>Coverall with Attached Hood Only, Elastic Wrists &amp; Ankles</b><br/>#8015<br/>25 per case</p> |  <p><b>Coverall with Elastic Wrists &amp; Ankles</b><br/>#8013<br/>25 per case</p> |  <p><b>Coverall with Elastic Wrists &amp; Open Ankles</b><br/>#8012<br/>25 per case</p> |
|  <p><b>Lab Coat, No Pockets</b><br/>#8046<br/>50 per case</p>                    |  <p><b>White Frock, No Pockets, Elastic Wrists</b><br/>#8048<br/>30 per case</p>                       |  <p><b>Apron, 28" by 46"</b><br/>#802448<br/>100 per case</p>                      |  <p><b>Pants with Elastic Waist, No Pockets</b><br/>#8200<br/>50 per case</p>           |



### Hood With Elastic Face, Shoulder Length

#8002  
100 per case



### Sleeves, 18" Length, Elastic On Both Ends

#8065  
200 per case



### Shoe Covers

#8101 Standard  
400 per case

#8103 Non-Skid Sole  
200 per case

#8105 XL Non-Skid Sole  
200 per case



### Boot Covers

#8102 Standard

#8104 L, Non-Skid Sole,  
17.5" Tall with Ankle Ties

#8106 XL, Non-Skid Sole,  
18" Tall with Ankle Ties

All styles 200 per case

### Physical Properties

TEST	METHOD	RESULT
Fabric Weight (oz/y <sup>2</sup> )	ASTM D3776	1.6
Water Vapor Transmission (g/m <sup>2</sup> /24h)	GB/T 12074-1991	3200
Water Resistance (Kpa)	FZ/T 01004-1991	18.8
Flat Abrasion	FZ/T 01001-1991	198
Breaking Strength (N/5cm)	GB/T 3923.1-1997	Radial: 70 / Woof: 50
Elongation at Break (%)	GB/T 3923.1-1997	Radial: 60 / Woof: 50
Tear Strength (N/5cm)	ASTM D2261-1996	Sample cut horizontally, normal testing cannot be done. Woof: 8.6
Electric Charge Density (uC/m <sup>2</sup> )	GB/T 5455-1997	6.5
Flammability	GB/T 4744-1997	Melt-down
Dry Particle Filtration Efficiency	ASTM F 2299	No Particle Penetration
Wet Particle Filtration Efficiency	ASTM F 2299	No Particle Penetration

### Liquid & Chemical Testing

TEST	METHOD	RESULT
Bleach 5%	ASTM T903	Pass
Hydraulic Jack Oil	ASTM T903	Pass
Isocyanate Based Paint Hardener	ASTM T903	Pass
Motor Oil	ASTM T903	Pass
Sodium hydroxide	ASTM T903	Pass
Mineral Oil	ASTM T903	Pass
Blood	ASTM 1670-07	Pass



**Blood-resistant & anti-static fabric with a high moisture vapor transmission rate (MVTR)**

### BS EN 1149-1:2006 Surface Resistivity

BS EN 1149-1:2006 Protective clothing. Electrostatic properties- Test method for measurement of surface resistivity. **Surface resistance= 1.2 x 10<sup>9</sup> Ω**

TEST	METHOD	RESULT
Air Permeability (cfm)	ASTM D737	<0.55
Burst Strength (lbs)	ASTM D3787	20
Tensile Strength (lbs) Machine Direction	ASTM D5034	23.2
Tensile Strength (lbs) Cross Direction	ASTM D5034	18.1
Tensile Strength (lbs) Trapezoidal - Machine Direction	ASTM D1117	9.76
Tensile Strength (lbs) Trapezoidal - Cross Direction	ASTM D1117	4.97

